

*[Handwritten initials]*

PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/757,768
	Filing Date	January 10, 2001
	First Named Inventor	Lomp et al.
	Art Unit	2661
	Examiner Name	Brian D. Nguyen
Total Number of Pages in This Submission	Attorney Docket Number	I-2-0091.6US

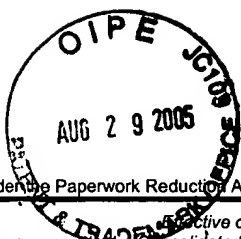
ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input checked="" type="checkbox"/> CD, Number of CD(s) <u>1</u>	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Form PTO-1449</b>
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Jeffrey M. Glabicki Volpe and Koenig, P.C. Reg. No. 42,584
Signature	<i>[Handwritten Signature]</i>
Date	August 26, 2005

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	Jeffrey M. Glabicki
Signature	<i>[Handwritten Signature]</i>
Date	August 26, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/17 (12-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$)**180.00****Complete if Known**

Application Number	09/757,768
Filing Date	January 10, 2001
First Named Inventor	Lomp et al.
Examiner Name	Brian D. Nguyen
Art Unit	2661
Attorney Docket No.	I-2-0091.6US

**METHOD OF PAYMENT** (check all that apply)

☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: **09-0435** Deposit Account Name: **InterDigital Communications Corporation**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.****FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
-	=	x	= 0.00			
HP = highest number of total claims paid for, if greater than 20					0.00	
Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)			
-	=	x	= 0.00			
HP = highest number of independent claims paid for, if greater than 3						

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
-	-	/ 50 =	(round up to a whole number) x	= 0.00

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other: Supplemental Information Disclosure Statement

**Fees Paid (\$)****180.00****SUBMITTED BY**

Signature	<i>[Signature]</i>	Registration No. 42,584 (Attorney/Agent)	Telephone 215-568-6400
Name (Print/Type)	Jeffery M. Glabicki		Date August 26, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In the **PATENT APPLICATION** of:

Lomp et al.

**Application No.:** 09/757,768

**Confirmation No.:** 8696

**Filed:** January 10, 2001

**For:** RAPID ACQUISITION SPREADING  
CODES FOR SPREAD-SPECTRUM  
COMMUNICATIONS

**Group:** 2661

**Examiner:** Brian D. Nguyen

**Our File:** I-2-0091.6US

**Date:** August 26, 2005

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

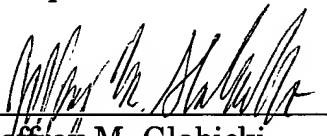
Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the material cited on the enclosed PTO-1449 form. The newly cited document is indicated by an asterisk (\*). A copy of the newly cited document is enclosed on a compact disk (CD). Previously cited documents are not enclosed.

**Applicant:** Lomp et al.  
**Application No.:** 09/757,768

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

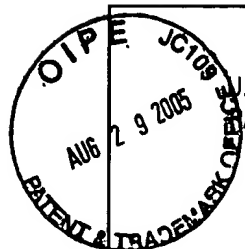
Respectfully submitted,

Lomp et al.

By   
Jeffrey M. Glabicki  
Registration No. 42,584  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

JMG/ks  
Enclosures (2)



FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.  
I-2-0091.6USSERIAL NO.  
09/757,768APPLICANT  
Lomp et al.FILING DATE  
January 10, 2001GROUP  
2661

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,700,820	10/1972	Blasbalg et al.			
		3,761,610	09/1973	Krallinger et al.			
		4,069,392	01/1978	Goldenberg et al.			
		4,156,277	05/1979	Seitz et al.			
		4,292,623	09/1981	Eswaran et al.			
		4,320,513	03/1992	Lampert			
		4,384,307	05/1983	Kuzmik et al.			
		4,385,206	05/1983	Bradshaw et al.			
		4,403,322	09/1983	Kato et al.			
		4,425,665	01/1984	Stauffer			
		4,458,314	07/1984	Grimes			
		4,480,307	10/1984	Budde et al.			
		4,570,220	02/1986	Tetrick et al.			
		4,583,124	04/1986	Tsuji et al.			
		4,608,700	08/1986	Kirtley, Jr. et al.			
		4,630,126	12/1986	Kaku et al.			
		4,646,232	02/1987	Chang et al.			
		4,667,192	05/1987	Schmid et al.			
		4,675,865	06/1987	DeVries et al.			
		4,709,343	11/1987	Van Chang			
		4,744,079	05/1988	Csapo et al.			
		4,768,145	08/1988	Wheelwright et al.			
		4,811,262	03/1989	White			
		4,811,421	03/1989	Havel et al.			
		4,862,402	08/1989	Shah et al.			
		4,901,307	02/1990	Gilhausen et al.			

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)				<b>ATTY. DOCKET NO.</b> I-2-0091.6US		<b>SERIAL NO.</b> 09/757,768	
				<b>APPLICANT</b> Lomp et al.			
				<b>FILING DATE</b> January 10, 2001		<b>GROUP</b> 2661	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4,914,574	04/1990	Terada et al.				
	5,022,049	06/1991	Abrahamson et al.				
	5,050,004	09/1991	Morton, Jr.				
	5,056,109	10/1991	Gilhousen et al.				
	5,084,900	01/1992	Taylor				
	5,093,840	03/1992	Schilling				
	5,103,459	04/1992	Gilhousen et al.				
	5,105,423	04/1992	Tanaka et al.				
	5,109,390	04/1992	Gilhousen et al.				
	5,107,225	04/1992	Wheatley et al.				
	5,113,525	05/1992	Andoh				
	5,115,429	05/1992	Huckyj et al.				
	5,117,385	05/1992	Gee				
	5,140,613	08/1992	Birgenheier et al.				
	5,159,283	10/1992	Jensen				
	5,159,551	10/1992	Brunnett et al.				
	5,166,951	11/1992	Schilling				
	5,166,952	11/1992	Omurg et al.				
	5,193,094	03/1993	Viterbi				
	5,199,061	03/1993	Kim				
	5,204,876	04/1993	Bruckert et al.				
	5,216,692	06/1993	Ling				
	5,224,120	06/1993	Schilling				
	5,228,054	07/1993	Rueth et al.				
	5,228,056	07/1993	Schilling				
	5,235,614	08/1993	Bruckert et al.				
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,237,586	08/1993	Bottomley			
		5,241,690	08/1993	Larsson et al.			
		5,245,629	09/1993	Hall			
		5,253,268	10/1993	Omura et al.			
		5,253,347	10/1993	Bagnoli et al.			
		5,257,283	10/1993	Gilhousen et al.			
		5,258,940	11/1993	Coker et al.			
		5,260,967	11/1993	Schilling			
		5,262,974	11/1993	Hausman et al.			
		5,265,119	11/1993	Gilhousen et al.			
		5,267,262	11/1993	Wheatley, III			
		5,274,474	12/1993	Medina			
		5,276,684	01/1994	Pearson			
		5,276,907	04/1994	Meidan			
		5,283,536	02/1994	Wheatley, III			
		5,287,299	02/1994	Lin			
		5,287,463	02/1994	Frame et al.			
		5,295,152	03/1994	Gudmundson et al.			
		5,297,162	03/1994	Lee et al.			
		5,299,226	03/1994	Schilling			
		5,299,228	03/1994	Hall			
		5,305,349	04/1994	Dent			
		5,309,474	05/1994	Gilhousen et al.			
		5,311,459	05/1994	D'Luna et al.			
		5,321,721	06/1994	Yamaura et al.			
		5,327,455	07/1994	DeGaudenzi et al.			

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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				<b>APPLICANT</b> Lomp et al.			
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	5,327,467	07/1994	DeGaudenzi et al.				
	5,329,547	07/1994	Ling et al.				
	5,339,174	08/1994	Harris				
	5,341,396	08/1994	Higgins et al				
	5,341,397	08/1994	Gudmundson				
	5,343,335	08/1994	Hara				
	5,345,598	09/1994	Dent				
	5,347,536	09/1994	Meehan				
	5,349,606	09/1994	Lovell et al.				
	5,351,134	09/1994	Yaguchi et al.				
	5,353,302	10/1994	Bi				
	5,353,352	10/1994	Dent et al.				
	5,355,453	10/1994	Row et al.				
	5,361,276	11/1994	Subrmanian				
	5,363,377	11/1994	Sharpe				
	5,365,544	11/1994	Schilling				
	5,365,585	11/1994	Puhl et al.				
	5,367,533	11/1994	Schilling				
	5,373,502	12/1994	Turban				
	5,377,183	12/1994	Dent				
	5,379,242	01/1995	Rose et al.				
	5,392,287	02/1995	Tiedemann, Jr. et al.				
	5,396,516	03/1995	Padovani et al.				
	5,396,539	03/1995	Sleyks et al.				
	5,398,243	03/1995	Aguilhon et al.				
	5,404,376	04/1995	Dent				
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<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,406,559	04/1995	Edem et al.			
		5,410,568	04/1995	Schilling			
		5,414,728	05/1995	Zehavi			
		5,414,729	05/1995	Fenton			
		5,414,732	05/1995	Kauffman			
		5,416,797	05/1995	Gilhausen et al.			
		5,418,624	05/1995	Ahmed			
		5,420,850	05/1995	Umeda et al.			
		5,420,864	05/1995	Dahlin et al.			
		5,420,896	06/1995	Schilling			
		5,430,724	07/1995	Fall et al.			
		5,430,760	07/1995	Dent			
		5,440,597	08/1995	Chung et al.			
		5,442,662	08/1995	Fukasawa et al.			
		5,446,683	08/1995	Mullen et al.			
		5,446,756	08/1995	Mallinckrodt			
		5,448,600	09/1995	Lucas			
		5,459,759	10/1995	Schilling			
		5,483,549	01/1996	Weinberg et al.			
		5,485,486	01/1996	Gilhausen et al.			
		5,487,089	01/1996	Misaizu et al.			
		5,488,629	01/1996	Takahashi et al.			
		5,506,864	04/1996	Schilling			
		5,509,126	04/1996	Opreescu et al.			
		5,519,736	05/1996	Ishida			

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				ATTY. DOCKET NO. I-2-0091.6US		SERIAL NO. 09/757,768	
				APPLICANT Lomp et al.			
				FILING DATE January 10, 2001		GROUP 2661	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,528,593	06/1996	English et al.			
		5,528,624	06/1996	Kaku et al.			
		5,544,156	08/1996	Teder et al.			
		5,548,613	08/1996	Kaku et al.			
		5,550,811	08/1996	Kaku et al.			
		5,559,790	09/1996	Yano et al.			
		5,561,669	10/1996	Lenny et al.			
		5,563,912	10/1996	Yasunga			
		5,568,483	10/1996	Padovani et al.			
		5,574,754	11/1996	Kurihara et al.			
		5,574,983	11/1996	Duozono et al.			
		5,594,718	01/1997	Weaver, Jr. et al.			
		5,596,570	01/1997	Soliman			
		5,604,730	02/1997	Tiedemann, Jr.			
		5,619,524	04/1997	Ling et al.			
		5,619,526	04/1997	Kim et al.			
		5,627,835	05/1997	Witter			
		5,627,855	05/1997	Davidovici			
		5,638,362	06/1997	Dohi et al.			
		5,644,590	07/1997	Sugita			
		5,652,765	07/1997	Adachi et al.			
		5,654,980	08/1997	Latva-aho et al.			
		5,657,343	08/1997	Schilling			
		5,673,286	09/1997	Lomp			
		5,675,581	10/1997	Soliman			
		5,691,974	11/1997	Zehavi et al.			
		5,692,008	11/1997	Van Nee			
EXAMINER				DATE CONSIDERED			

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				<b>FILING DATE</b> January 10, 2001		<b>GROUP</b> 2661	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,710,768	03/1999	Ziv et al.			
		5,712,869	01/1998	Lee et al.			
		5,722,051	02/1998	Agrawal et al.			
		5,745,484	04/1998	Scott			
		5,748,687	05/1998	Ozluturk			
		5,771,451	06/1998	Takai et al.			
		5,781,584	07/1998	Zhou et al.			
		5,790,591	09/1998	Gold et al.			
		5,796,776	08/1998	Lomp et al.			
		5,812,593	09/1998	Kaku			
		5,828,662	10/1998	Jalali et al.			
		5,841,768	11/1998	Ozluturk et al.			
		5,870,378	02/1999	Huang et al.			
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		6,018,528	01/2000	Gitlin et al.			
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>			

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FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				ATTY. DOCKET NO. I-2-0091.6US		SERIAL NO. 09/757,768	
				APPLICANT Lomp et al.			
				FILING DATE January 10, 2001		GROUP 2661	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,072,787	06/2000	Hamalainen et al.			
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				APPLICANT Lomp et al.				
				FILING DATE January 10, 2001		GROUP 2661		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
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<b>FORM PTO-1449</b>  <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)				<b>ATTY. DOCKET NO.</b> I-2-0091.6US		<b>SERIAL NO.</b> 09/757,768	
				<b>APPLICANT</b> Lomp et al.			
				<b>FILING DATE</b> January 10, 2001		<b>GROUP</b> 2661	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
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		Raymond W. Nettleton, "Spectral Efficiency in Cellular Land-Mobile Communications: A Spread Spectrum Approach," UMI Dissertation Information Service, (1978), 204 pgs.

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		FILING DATE January 10, 2001	GROUP 2661
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